

7. A device according to claim 5, wherein  $\theta_1$  is substantially  $15^\circ$  and the low twist state is substantially  $\phi = 0^\circ$ .

8. A device according to claim 5, wherein  $5^\circ < \theta_1 < 25^\circ$  and the low twist state is substantially  $\phi = 63.6^\circ$ .

9. A device according to claim 5, wherein  $\theta_1 = 15^\circ$  and the low twist state is substantially  $\phi = 63.6^\circ$ .

11. A device according to claim 5, wherein  $5^\circ < 90^\circ - \theta_1 < 25^\circ$  and the low twist state is substantially  $\phi = 63.6^\circ$ .

14. A device according to claim 1, wherein the retarder adjacent to the polariser is a BTN which in the low twist state has  $\phi = 0^\circ$  and optic axis at an angle  $\alpha$  to either the transmission or absorption axis of the polariser and the retarder adjacent the reflector is a fixed retarder with optic axis at an angle  $2\alpha + 45^\circ + x$ , wherein  $x < 5^\circ$ .

20. A device according to claim 16, wherein the retarder comprising a BTN liquid crystal provides a retardation of  $n \lambda/4$ .

23. A device according to claim 22, wherein the retarder adjacent the polariser is at angle  $\alpha$  to the axis of the polariser, the next retarder is at angle  $\beta$  to the axis of the polariser and the retarder adjacent the reflector is a BTN which in the low twist state,  $\phi$ , has the input director (LC director at cell surface adjacent to retarder) at an angle  $2(\beta - \alpha) + \theta(\phi) + x$  to the axis of the polariser wherein  $x < 5^\circ$ .

25. A device according to claim 23 in which  $\alpha = 6.9^\circ$  and  $\beta = 34.5^\circ$ .

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30. A device according to claim 22, wherein the wavelength  $\lambda$  is an operating wavelength of the reflective liquid crystal device and is in the range 400-700nm.

32. A device according to claim 1 in which the BTN switches between a state  $\phi$  and  $(\phi \pm 360^\circ)$ .

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33. A device according to claim 1 in which the BTN switches between a state  $\phi$  and  $(\phi \pm 180^\circ)$ .

Kindly add new claims 34-37 as follows:

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34. A device according to claim 16 in which the BTN switches between a state  $\phi$  and  $(\phi \pm 360^\circ)$

35. A device according to claim 16 in which the BTN switches between a state  $\phi$  and  $(\phi \pm 180^\circ)$ .

36. A device according to claim 21 in which the BTN switches between a state  $\phi \pm 360^\circ$

37. A device according to claim 21 in which the BTN switches between a state  $\phi$  and  $(\phi \pm 180^\circ)$ .

A version of the above amended claims marked to indicate the specific amendments may be found in the attached Appendix, in accordance with 37 CFR 1.121(c)(1).